The Value of Metrics to Drive Your OSPO Plans

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Mother, Technology Strategist, Pragmatist
Passionate about Open Innovation & Collaboration;
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Women of Color, She, Her

Topics

- Comcast History in OSS
- Role of OSPO
- Why measure?
- What to measure?
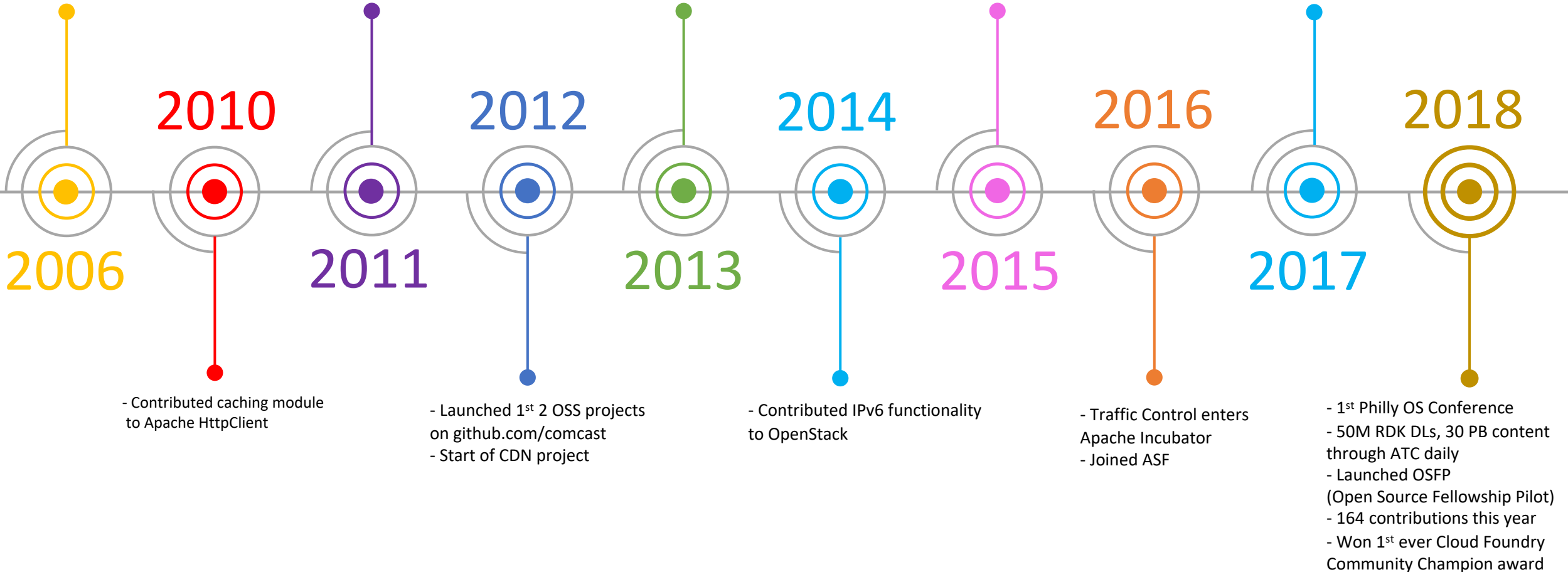- How We Went About it?
- Takeaways

Our Open Source Journey

- OSS consumption

- Contributions to Apache HttpComponents
- Signed CCLA with ASF

- OSAC (Open Source Advisory Counsel formed)
- Signed CCLA for OpenStack

- Traffic Control open sourced
- Top contributors to OpenStack
- Won OpenStack SuperUser Award

- OSPO created
- Joined LF, Yocto, OpenChain, ONAP, CNCF
- Launched comcast.github.io
- Signed Cloud Foundry CLA

2010

2012

2014

2016

2018

2006

2011

2013

2015

2017

- Contributed caching module to Apache HttpClient

- Launched 1st 2 OSS projects on github.com/comcast
- Start of CDN project

- Contributed IPv6 functionality to OpenStack

- Traffic Control enters Apache Incubator
- Joined ASF

- 1st Philly OS Conference
- 50M RDK DLs, 30 PB content through ATC daily
- Launched OSFP (Open Source Fellowship Pilot)
- 164 contributions this year
- Won 1st ever Cloud Foundry Community Champion award

OPEN SOURCE PROGRAM OFFICE

4 Members

>7000 developers

~200 Repos on GitHub.com

Why do we need to quantify the work?

What to measure?

OSPO Effectiveness

Response to Developer Requests and Questions

Contributions

License Questions

Navigating community

Project Effectiveness

Project health metrics can help us determine which projects are thriving.

Communities We Depend On

Which projects are we contributing to?

Are people outside of Comcast contributing to our projects?

Which developers are actively contributing to open source projects?

Which Comcast projects have an active community?

Our Newest Projects

- **SyntaViz**   A visualization interface for analyzing a (very large) corpus of natural-language queries.

- **eslint-plugin-polymer-components**   Polymer specific linting rules for ESLint.

- **vinyldns**   Vendor agnostic DNS front-end for managing DNS self-service across your systems.

- **vinyldns-ruby**   Ruby gem containing methods to perform various API requests in **VinylDNS**

- **go-vinyldns**   A Go client package for **vinyldns**

- **vinyldns-cli**   A command line interface for **vinyldns**

- **pulsar-client-go**   A Go client library for Apache Pulsar.

comcast.github.io

Project health metrics can help us determine which ones may need attention.

According to Dice.com and The Linux Foundation's 2018 Open Source Jobs Report: **Open source jobs are in demand, more than ever**

Career Growth

If you treat new patents invented by your engineers as an important consideration for merit, promotions, & tenure, **the same should be done for open source contributions**.

Engagement

External GitHub
Blogs
Events
Sponsorships
Memberships

How?

It was time to cross-collaborate.

Metrics

- Use to showcase our work and activity in open source to leadership
- Involvement in CHAOSS community
  - Presented our work at 2ndannual conference in Vancouver (co-located with the Open Source Summit NA)

Takeaways

Still Hard To Measure Business Impact

Rewarding the Right Behaviors

Measuring Diversity is Important

Qualitative is Important

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